Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/23/2021 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125977	0	0.98	125874	0.95
Blue	F	SSC	125000	124993	-1	2.54	125242	2.41
Blue	E	FITC	13131	12805	-3	2.17	295	15.68
Blue	D	PE	24112	23960	-1	1.53	550	10.73
Blue	B	PerCP-Cy5-5	31295	30711	-2	2.92	1019	14.47
Blue	A	PE-Cy7	19939	19847	-1	5.13	529	28.70
Red	C	APC	42122	42071	-1	2.73	1763	11.17
Red	A	APC-Cy7	22340	21872	-3	3.04	816	11.16
Violet	B	V450	7410	7134	-4	3.38	443	12.05
Violet	A	V500	28118	27025	-4	2.99	678	9.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23221	0.97	566	-3	N/A	N/A	Pass
Blue	F	SSC	58300	0.88	515	3	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0399	86	Pass
Blue	D	PE	116	36.16	488	0	0.3952	276	Pass
Blue	B	PerCP-Cy5-5	190	35.41	583	-3	0.0198	56	Pass
Blue	A	PE-Cy7	106	67.21	626	-2	0.0228	2	Pass
Red	C	APC	408	22.77	577	1	0.0283	96	Pass
Red	A	APC-Cy7	183	26.87	549	-2	0.0070	1286	Pass
Violet	B	V450	63	61.19	459	6	0.0691	2617	Pass
Violet	A	V500	98	33.28	470	5	0.0292	932	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/23/2021 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.76	-31.40	1.00
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.72	13.60 - 20.40	N/A	N/A	29.89	30.10	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9608

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments